

### ABSTRACT OF THE DISCLOSURE

In a method and system for generating an x-ray exposure of an examination subject extending in a longitudinal direction and exhibiting, in a main projection direction, a geometry that is curved at least in sections, an x-ray source and an x-ray detector are respectively positioned and aligned appropriately with regard to one another and to the section to be acquired of the exposure subject in order to generate partial exposures along a curved course substantially adapted to the geometry of the exposure subject. The partial exposures of the sections subsequently are combined into an overall x-ray exposure of the exposure subject.

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